

PCT

REQUEST

The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty

For receiving Office use only

International Application No.

International Filing Date

Name of receiving Office and "PCT International Application"

Applicant's or agent's file reference
(if desired)(12 characters maximum)

890003-2008.WO

Box No. I TITLE OF INVENTION

ENGINEERED BLOOD VESSELS

Box No. II APPLICANT

This person is also inventor.

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

REGENTS OF THE UNIVERSITY OF MINNESOTA
110 Washington Avenue South
Minneapolis, MN 55455
US

Faxsimile No.

Teleprinter No.

Applicant's Registration No. with the Office

State (that is, country) of nationality:

US

State (that is, country) of residence:

US

This person is applicant for the purposes of:

all designated states

all designated states except the United States of America

the United States of America only

the states indicated in the Supplemental Box

Box No. III FURTHER APPLICANT(S) AND/OR (FURTHER) INVENTOR(S)

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

TRANQUILLO, Robert T.
Arden Hills, MN
US

This person is:

applicant only

applicant and inventor

inventor only (if this check-box is marked, do not fill in below.)

Applicant's registration No. with the Office:

State (that is, country) of nationality:

US

State (that is, country) of residence:

US

This person is applicant for the purposes of:

all designated states

all designated states except the United States of America

the United States of America only

the states indicated in the Supplemental Box

Further applicants and/or (further) inventors are indicated on a continuation sheet.

Box No. IV AGENT OR COMMON REPRESENTATIVE; OR ADDRESS FOR CORRESPONDENCE

The person identified below is hereby/has been appointed to act on behalf of the applicant(s) before the competent International Authorities as:

agent

common representative

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.)

LAWRENCE, William F.; LEAHY, Amy
Frommer Lawrence & Haug LLP
745 Fifth Avenue
New York, New York 10151
United States

Telephone No. (212) 588-0800

Faxsimile No. (212) 588-0500

Teleprinter No.

Agent's registration No. with the Office

Address for correspondence: Mark this check-box where no agent or common representative is/has been appointed and the space above is used instead to indicate a special address to which correspondence should be sent.

Sheet No. 2

Continuation of Box No. III FURTHER APPLICANT(S) AND/OR (FURTHER) INVENTOR(S)

If none of the following sub-boxes is used, this sheet should not be included in the request.

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

ROSS, Jeffrey
Roseville, MN
US

This person is:

applicant only
 applicant and inventor
 inventor only (if this check-box is marked, do not fill in below.)

Agent's registration No. with the Office

State (that is, country) of nationality:
US

State (that is, country) of residence:
US

This person is applicant all designated all designated states except the United States of America the United States of America only the states indicated in the Supplemental Box for the purposes of: states

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

REYES, Morayma
Seattle, WA
US

This person is:

applicant only
 applicant and inventor
 inventor only (if this check-box is marked, do not fill in below.)

Agent's registration No. with the Office

State (that is, country) of nationality:
US

State (that is, country) of residence:
US

This person is applicant all designated all designated states except the United States of America the United States of America only the states indicated in the Supplemental Box for the purposes of: states

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US

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This person is applicant all designated all designated states except the United States of America the United States of America only the states indicated in the Supplemental Box for the purposes of: states

Further applicants and/or (further) inventors are indicated on a continuation sheet.

Box No. V DESIGNATIONS

The filing of this request constitutes under Rule 4.9(a), the designation of all Contracting States bound by the PCT on the international filing date, for the grant of every kind of protection available and, where applicable, for the grant of both regional and national patents.

However,

DE Germany is not designated for any kind of national protection
 KR Republic of Korea is not designated for any kind of national protection
 RU Russian Federation is not designated for any kind of national protection

(The check-boxes above may be used to exclude (irrevocably) the designations concerned in order to avoid the ceasing of the effect, under the national law, of an earlier national application from which priority is claimed. See the Notes to Box No. V as to the consequences of such national law provisions in these and certain other States).

Box No. VI PRIORITY CLAIM

The priority of the following earlier application(s) is hereby claimed:

Filing date of earlier application (day/month/year)	Number of earlier applications	Where earlier application is:		
		national application: country or member of WTO	regional application: * regional Office	international application: receiving Office
item (1) 1 July 2003 (01.07.2003)	60/484,563	US		
item (2) 2 July 2003 (02.07.2003)	60/484,595	US		
item (3)				

Further priority claims are indicated in the Supplemental Box.

The receiving Office is requested to prepare and transmit to the International Bureau a certified copy of the earlier application(s) (only if the earlier application was filed with the Office which for the purposes of this international application is the receiving Office) identified above as:

all items item (1) item (2) item (3) item (4) item (5) other, see
Supplemental Box

* Where the earlier application is an ARIPO application, indicate at least one country party to the Paris Convention for the Protection of Industrial Property or one Member of the World Trade Organization for which that earlier application was filed (Rule 4.10(b)(ii)).

Box No. VII INTERNATIONAL SEARCHING AUTHORITY

Choice of International Searching Authority (ISA) (If two or more International Searching Authorities are competent to carry out the international search, indicate the Authority chosen; the two-letter code may be used):

ISA/ US

Request to use results of earlier search; reference to that search (If an earlier search has been carried out by or requested from the International Searching Authority):

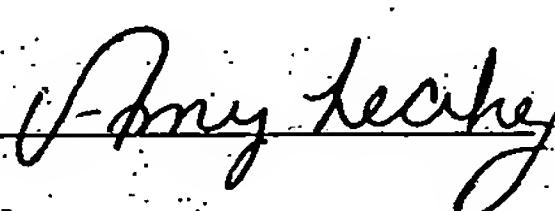
Date (day/month/year)	Number	Country (or regional Office)

Box No. VIII DECLARATIONS

The following declarations are contained in Boxes Nos. VIII(i) to (v) (mark the applicable). (Check Boxes below and indicate in the right column the number of each type of Declaration)

Number
of declarations

<input type="checkbox"/> Box No. VIII (i)	Declaration as to the identity of the inventor
<input type="checkbox"/> Box No. VIII (ii)	Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent
<input type="checkbox"/> Box No. VIII (iii)	Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application
<input type="checkbox"/> Box No. VIII (vi)	Declaration of inventorship (only for the purposes of the designation of the United States of America)
<input type="checkbox"/> Box No. VIII (v)	Declaration as to non-prejudicial disclosures or exceptions to lack of novelty

Box No. IX CHECK LIST; LANGUAGE OF FILING		Number of items																								
<p>This international application contains:</p> <p>(a) the following number of sheets in paper form:</p> <table> <tr> <td>request (including declaration sheets)</td> <td>4</td> <td>1</td> </tr> <tr> <td>description (excluding sequence listing and/or tables related thereto)</td> <td>47</td> <td></td> </tr> <tr> <td>claims</td> <td>6</td> <td></td> </tr> <tr> <td>abstract</td> <td>1</td> <td></td> </tr> <tr> <td>drawings</td> <td>13</td> <td></td> </tr> </table> <p>Sub-Total number of sheets:</p> <table> <tr> <td>sequence listing</td> <td></td> <td></td> </tr> <tr> <td>tables related thereto</td> <td></td> <td></td> </tr> <tr> <td>(for both, actual number of sheets if filed in paper form, whether or not also filed in computer readable form; see (c) below)</td> <td>71</td> <td></td> </tr> </table> <p>Total number of sheets : 71</p> <p>(b) <input type="checkbox"/> only in computer readable form (Section 801(a)(i)) (i) <input type="checkbox"/> sequence listings (ii) <input type="checkbox"/> tables related thereto</p> <p>(c) <input type="checkbox"/> also in computer readable form (Section 801(a)(ii)) (i) <input type="checkbox"/> sequence listings (ii) <input type="checkbox"/> tables related thereto</p> <p>Type and number of carriers (diskette, CD-ROM, CD-R or other) on which are contained the <input type="checkbox"/> sequence listings <input type="checkbox"/> tables related thereto <small>(additional copies to be indicated under items 9(ii) and/or 10(ii), in right column)</small></p>			request (including declaration sheets)	4	1	description (excluding sequence listing and/or tables related thereto)	47		claims	6		abstract	1		drawings	13		sequence listing			tables related thereto			(for both, actual number of sheets if filed in paper form, whether or not also filed in computer readable form; see (c) below)	71	
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tables related thereto																										
(for both, actual number of sheets if filed in paper form, whether or not also filed in computer readable form; see (c) below)	71																									
Figure of the drawings which should accompany the abstract: 5	Language of filing of the international application: English																									
<p>Box No. X SIGNATURE OF APPLICANT, AGENT OR COMMON REPRESENTATIVE</p> <p>Next to each signature, indicate the name of the person signing and the capacity in which the person signed (if such capacity is not obvious from reading the request).</p> <p> Amy Leahy</p>																										

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1. Date of actual receipt of the purported international application:	2. Drawings:
3. Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application:	<input type="checkbox"/> received: <input type="checkbox"/> not received:
4. Date of timely receipt of the required corrections under PCT Article 11 (2):	
5. International Searching Authority (if two or more are competent): ISA/	6. <input type="checkbox"/> Transmittal of search copy delayed until search fee is paid.

For International Bureau use only	
Date of receipt of the record copy by the International Bureau:	

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PCT

FEE CALCULATION
Annex to the Request

Applicant's or agent's
file reference **890003-2008.WO**

International application no.

Date stamp of the receiving Office

Applicant **REGENTS OF THE UNIVERSITY OF MINNESOTA**

CALCULATION OF PRESCRIBED FEES

1. TRANSMITTAL FEE **\$300.00** **T**

2. SEARCH FEE **\$1,000.00** **S**

International search to be carried out by **US**

(If two or more International Searching Authorities are competent to carry out the international search, indicate the name of the Authority which is chosen to carry out the international search.)

3. INTERNATIONAL FILING FEE

Basic Fee

Where items (b) and/or (c) of Box No. IX apply, enter Sub-Total number of sheets } **71**
Where items (b) and (c) of Box No. IX do not apply, enter Total number of sheets }

i1 first 30 sheets **\$1,134.00** **i1**
i2 41 x **\$12.00** = **492.00** **i2**

number of sheets in
excess of 30 fee per sheet

i3 additional component (only if sequence, listings and/or tables
related thereto are filed in computer readable form under Section
801(a)(i), or both in that form and on paper, under Section
801(a)(ii)):

400 x = **i3**
fee per sheet

Add amounts entered at **i1**, **i2** and **i3** enter total at **I** **1,626.00** **I**

(Applicants from certain States are entitled to a reduction of 75% of the
international fee. Where the applicant is (or all applicants are) so entitled, the
total to be entered at **I** is 25% of the sum of the amounts entered at **B** and **D**.)

4. FEE FOR PRIORITY DOCUMENT (if applicable) **\$40.00** **P**

5. TOTAL FEES PAYABLE **\$2,966.00**

Add amounts entered at **T**, **S**, **I** and **P**, and enter total in the **TOTAL** box

TOTAL

MODE OF PAYMENT

Authorization to charge postal money order cash coupons
deposit account (see below)
 cheque bank draft revenue stamps other (specify):

AUTHORIZATION TO CHARGE (OR CREDIT) DEPOSIT ACCOUNT

(This mode of payment may not be available at all receiving Offices)

Authorization to charge the total fees indicated above.
 (This check-box may be marked only if the conditions for deposit accounts of the
receiving Office so permit) Authorization to charge any deficiency or credit any
overpayment in the total fees indicated above.
 Authorization to charge the fee for priority document.

Receiving Office: RO/US

Deposit Account No.: **50-0320**

Date: 1 July 2004

Name: Amy Leahy

Signature: Amy Leahy